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DATE: April 22, 2002

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TO: Examiner Jeffrey Fredman

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COMMENTS:

**PLEASE DELIVER TO EXAMINER JEFFREY FREDMAN****GROUP ART UNIT 1637**

  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Henderson et al.

Serial No.: 09/574,519

Filed: May 18, 2000

Title: METHOD AND APPARATUS FOR SOLID STATE  
MOLECULAR ANALYSIS

Examiner: J. Fredman

Group Art 1637  
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## AMENDMENT UNDER 37 C.F.R. §1.116

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(703) 308-4242 addressed to: BOX AF Assistant Commissioner for  
Patents, Washington, D.C. 20231 on this 22 day of April, 2002.Francis E. Egan  
(Name)

Dear Sir:

The following amendments and remarks are submitted in response to the Final Office Action dated March 20, 2002 and in view of the telephone interview with Examiner Fredman on April 11, 2002 during which claim language was supplied by Examiner Fredman to obviate pending concerns.

## IN THE CLAIMS

Please amend claims 56, 66, 76, 83, 89, 91 and 92 as follows

56. (Thrice Amended) A molecular array for characterizing molecular interaction events, comprising:

- (a) a substrate; and
- (b) at least one discrete molecular deposition domain on said substrate wherein the spatial address of the domain is less than one micron in area and each domain includes a biologically or chemically based molecule deposited on the substrate at a pre-selected location.

42

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